

## NOVEL B7-4 MOLECULES AND USES THEREFOR

### Abstract of the Disclosure

The invention provides isolated nucleic acids molecules, designated B7-4 nucleic acid  
5 molecules, which encode novel B7-4 polypeptides. The invention also provides antisense  
nucleic acid molecules, recombinant expression vectors containing B7-4 nucleic acid  
molecules, host cells into which the expression vectors have been introduced, and nonhuman  
transgenic animals in which a B7-4 gene has been introduced or disrupted. The invention  
still further provides isolated B7-4 proteins, fusion proteins, antigenic peptides and anti-B7-4  
10 antibodies. Diagnostic, screening, and therapeutic methods utilizing compositions of the  
invention are also provided.